



Chicago Metropolitan
Agency for Planning

Freight System Planning Recommendations Project

Presented November 20, 2009

by Tom Murtha

Senior Planner,

tmurtha@cmap.illinois.gov

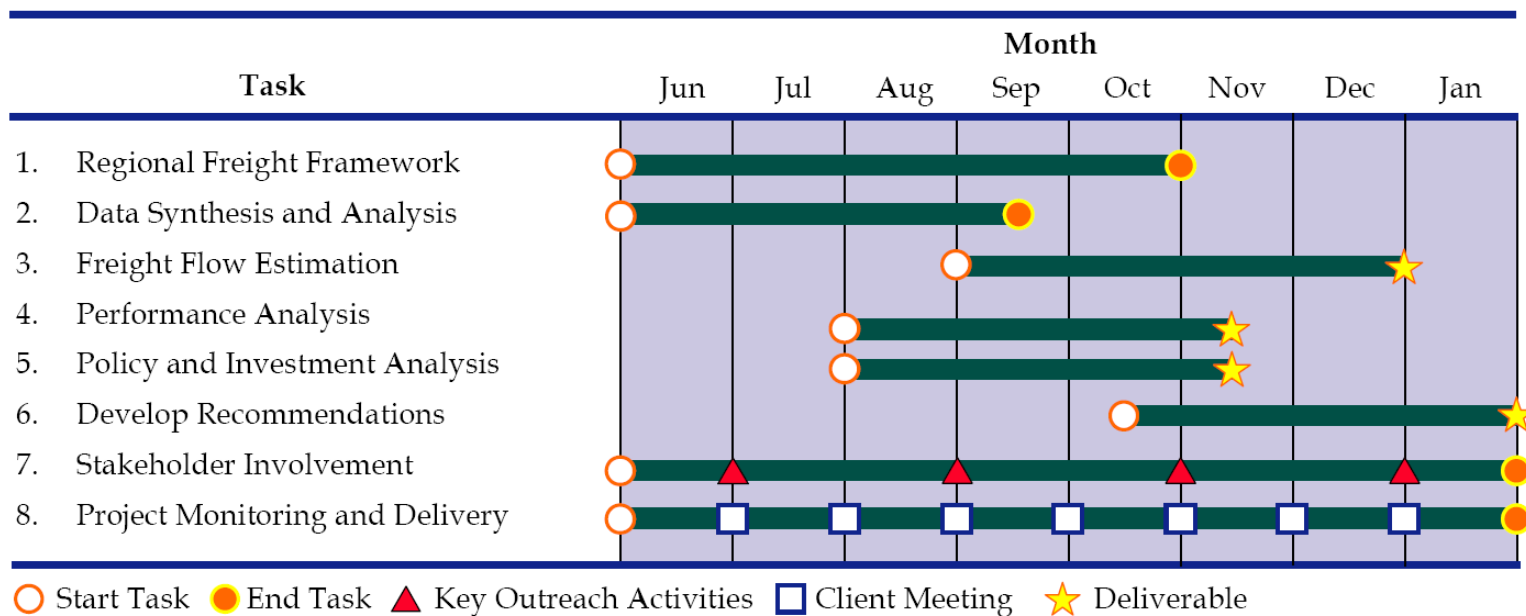
Regional Freight System Planning Questions

- How might freight flows change over the next 30 years?
- What should we do to achieve a resilient and efficient freight system for our region?
- If we invest in our freight system to those ends, what will it mean for our economy and for our communities?

Freight System Planning Recommendations Project

- Planning contract with Cambridge Systematics
- CMAP Freight Committee serves as advisory committee
- Project will prepare recommendations and estimates of impacts for consideration and inclusion in *GO TO 2040* regional comprehensive plan

Schedule



Planning Framework

Economic Theme: *“In 2040, the Chicago region’s freight system will contribute to the growth, productivity, and changing needs of business and industry by providing cost-effective and reliable access to resources, markets, and labor.”*

Logistics Theme: *“In 2040, the Chicago region will serve as an International hub for goods movement.”*

Planning Framework (2)

Freight Infrastructure Theme: *“In 2040, the Chicago region’s freight infrastructure will provide seamless, efficient connections to markets beyond the region’s/state’s borders, throughout North America, and to the world.”*

Commodity/Vehicle Flows Theme: *“In 2040, the Chicago region’s freight system will have operational capacity to accommodate highway, rail, water, and air freight commodity and vehicle flows.”*

Planning Framework (3)

Organization and Public Policy Theme: *In 2040, the Chicago region's public and private freight stakeholders will have shared goals and priorities on the process used for identifying the region's freight system needs, priorities, and making investment decisions.*

Environment and Community Impacts Theme: *In 2040, public and private freight stakeholders will contribute positively to the quality of life in metropolitan Chicago.*

Some of Our Data Collection

Data Need	Source
Freight Flows	TRANSEARCH
Socioeconomic Data	CMAP Travel Model Sub-zone Data
Container Terminal Locations	Intermodal Association
Land Use Data	CMAP Land Use Inventory
Roadway Inventory	IDOT/IRIS

Data Need	Source
Truck and Traffic Volumes	IDOT/IRIS, Others
Intermodal Connectors	FHWA
Structures	National Bridge Inventory
Congestion	CMAP Travel Time Indices
Truck Routes and Prohibitions	IDOT and CDOT

Some More of Our Data Collection

Data Need	Source
Clearance Deficiencies	IDOT
Truck Parking	CFIRE Study
Planned Network Improvements	CMAP TIP, RTP, and Highway Network
Railways	NTAD
Rail Volumes	NTAD/ TRANSEARCH*

Data Need	Source
CREATE Corridors	CREATE Project
Airports	NTAD
Air Freight Volumes	TRANSEARCH, FAA
Port Facilities and Water Terminals	NTAD
Volumes and Delay by Lock	Corps of Engineers

Stakeholder Input

Interviews

- Trucking
- Water
- Aviation
- Council of Mayors

Survey

- 74 electronic surveys
- 43% private sector (shipping to 7 continents)
- 38% public sector
- 18% non-profits

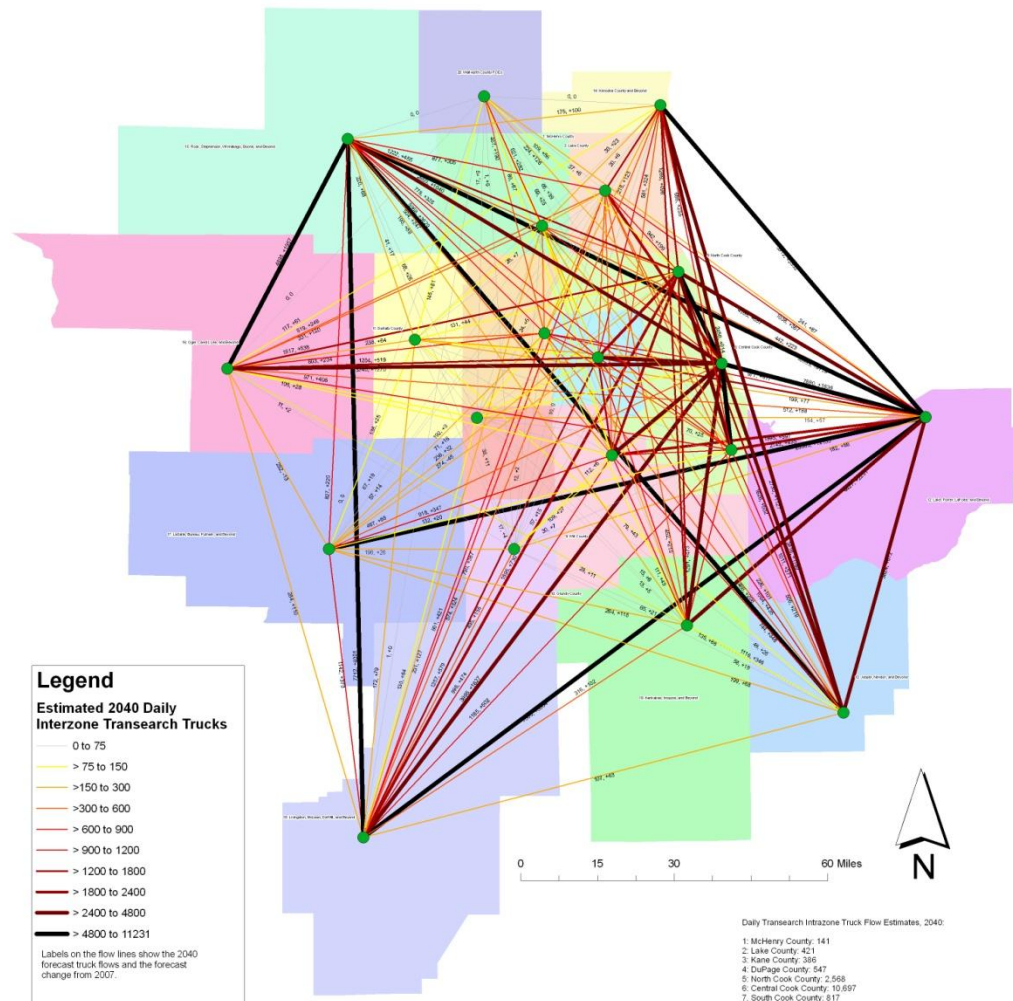
Stakeholder Input

- System strengths and deficiencies
- Needed improvements
- Trends
- Funding Options
- Policies
- Workforce Issues

Example: Private and public sector input points to the lack of coordination of truck routes between jurisdictions, and shows the need to commence such coordination.

Example Issue: Freight Flow Forecasts

Daily Transearch Interzone Truck Flow Estimates - 2040

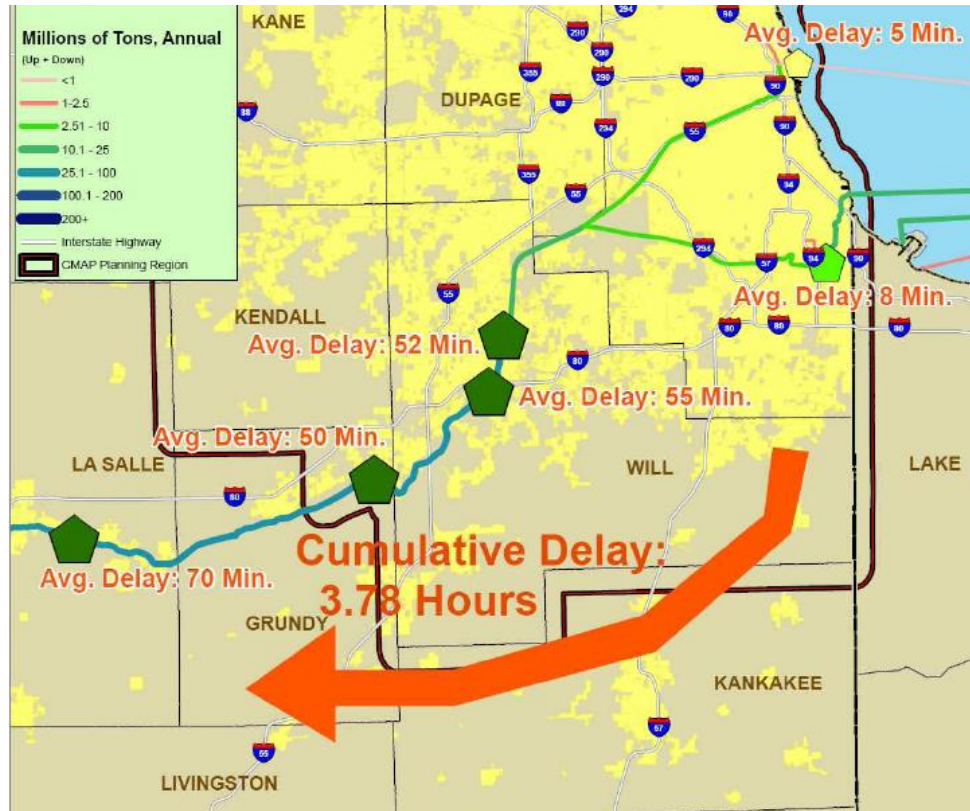
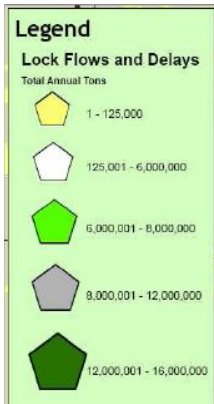


November, 2009



Chicago Metropolitan
Agency for Planning

Example Issue: Waterway Improvements



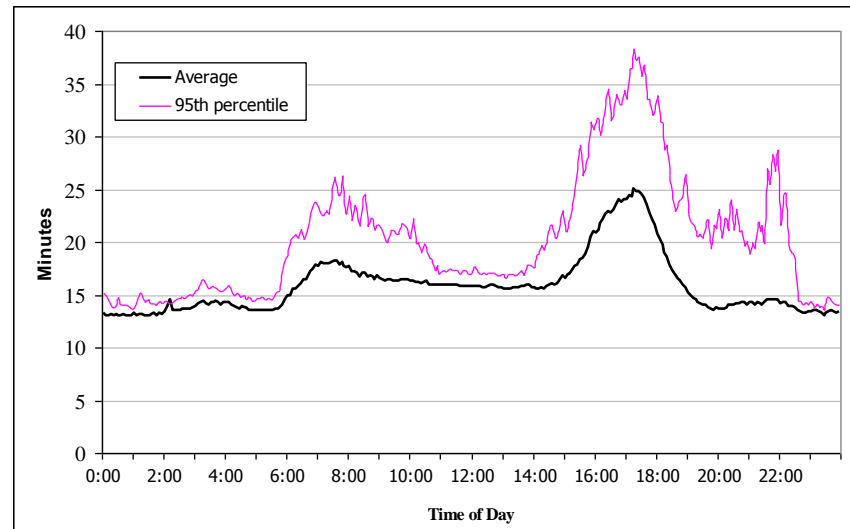
Map:
Cambridge
Systematics

Developing Recommendations

- Sample set of potential capital projects in key corridors
- Policies
- Establish suggested timeframe, lead agencies, and priority

Addressing Congestion: Transportation Management

- Demand Management
- Transportation Systems Management, e.g., Incident Management
- Planning for Operations



Addressing Congestion: Design and Planning Innovations

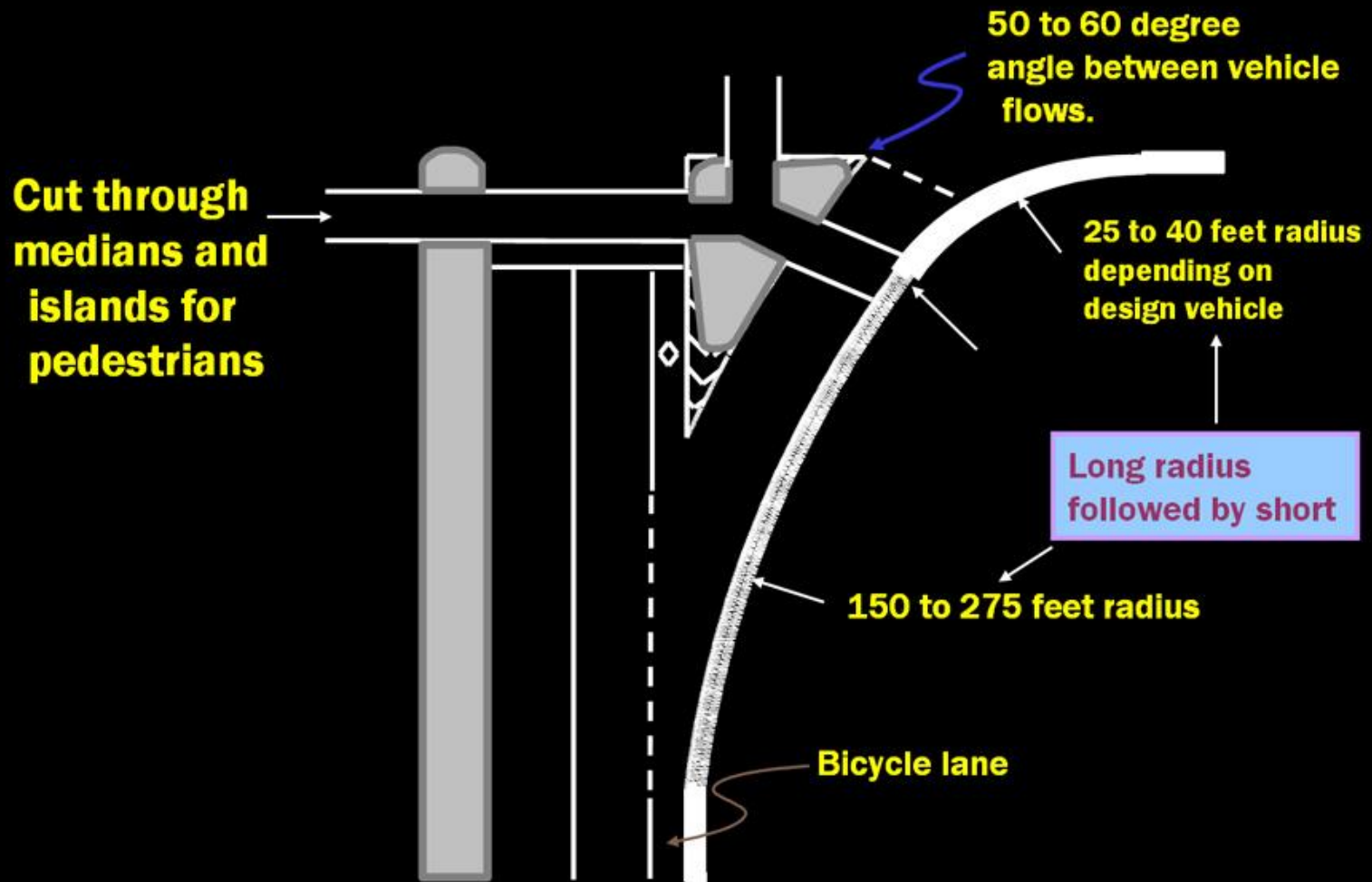


September, 2009



Chicago Metropolitan
Agency for Planning

RIGHT-TURN SLIP LANE



Freight System Planning Recommendations

CMAP Contact:

Tom Murtha

tmurtha@cmap.illinois.gov

312-386-8790

More Information:

<http://www.cmap.illinois.gov/freightsystem.aspx>

Thank You
